The listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1. (Original) A manufacturing method of a D/A converter circuit, comprising the steps of:

forming a resistor string which includes a plurality of resistors connected in series between reference voltages;

forming a plurality of switching elements, each of the plurality of switching elements being connected with a connection node of corresponding one of the plurality of resistors;

disposing all forming parts of the resistors configuring the resistor string within a laser irradiation area; and

crystallizing all the forming parts of the resistors which are disposed within the laser irradiation area with a same laser shot,

wherein each of the resistors is a thin film element crystallized by linear laser irradiation.

- 2. (Original) The manufacturing method of a D/A converter circuit according to claim 1, wherein each forming part of the resistors is disposed to be parallel with each other, and also to be parallel with a scan direction of the linear laser irradiation.
- 3. (Original) The manufacturing method of a D/A converter circuit according to claim 1, wherein each forming part of the resistors is all formed to have a same shape.
- 4. (Original) A manufacturing method of a D/A converter circuit, comprising the steps of:

forming a resistor string which includes a plurality of resistor groups connected in series between reference voltages:

forming a plurality of resistors which are connected in series to configure each of the resistor groups;

forming a plurality of switching elements, each of the plurality of switching elements being connected with a connection node of corresponding one of the plurality of resistors;

disposing forming parts of the series-connected resistors of each resistor group within each different laser irradiation area:

crystallizing all the forming parts of the resistors which are disposed within the laser irradiation area with a same laser shot; and

disposing auxiliary resistors so as to be connected in parallel with each resistor group,

wherein each of the resistors is a thin film element crystallized by linear laser irradiation;

wherein each of the auxiliary resistors has a same resistance value that is sufficiently smaller than a combined resistance value of the resistor group to which each auxiliary resistor is connected.

5. (Original) The manufacturing method of a D/A converter circuit according to claim 4, wherein:

each of the auxiliary resistors is a thin film element crystallized by laser irradiation;

all forming parts of the auxiliary resistors are disposed within a laser irradiation area; and

all the forming parts of the auxiliary resistors which are disposed within the laser irradiation area are crystallized with a same laser shot.

- 6. (Original) The manufacturing method of a D/A converter circuit according to claim 4, wherein each forming part of the resistors is disposed to be parallel with each other, and also to be parallel with a scan direction of the linear laser irradiation.
- 7. (Original) The manufacturing method of a D/A converter circuit according to claim 4, wherein each forming part of the resistors is all formed to have a same shape.
- 8. (Original) A manufacturing method of a D/A converter circuit, comprising the steps of:

forming a resistor string which includes a plurality of resistors connected in series between reference voltages;

forming a plurality of switching elements, each of the plurality of switching elements being connected with a connection node of corresponding one of the plurality of resistors:

disposing all forming parts of the resistors configuring the resistor string within a laser irradiation area; and

crystallizing all the forming parts of the resistors which are disposed within the laser irradiation area with one laser shot.

wherein each of the resistors is a thin film element crystallized by linear laser irradiation.

- 9. (Original) The manufacturing method of a D/A converter circuit according to claim 8, wherein each forming part of the resistors is disposed to be parallel with each other.
- 10. (Original) The manufacturing method of a D/A converter circuit according to claim 8, wherein each forming part of the resistors is all formed to have a same shape.

11. (Original) A manufacturing method of a D/A converter circuit, comprising the steps of:

forming a resistor string which includes a plurality of resistor groups connected in series between reference voltages;

forming a plurality of resistors which are connected in series to configure each of the resistor groups;

forming a plurality of switching elements, each of the plurality of switching elements being connected with a connection node of corresponding one of the plurality of resistors;

disposing forming parts of the series-connected resistors of each resistor group within each different laser irradiation area;

crystallizing all the forming parts of the resistors which are disposed within the laser irradiation area with one laser shot;

disposing auxiliary resistors so as to be connected in parallel with each resistor group,

wherein each of the resistors is a thin film element crystallized by linear laser irradiation;

wherein each of the auxiliary resistors has a same resistance value that is sufficiently smaller than a combined resistance value of the resistor group to which each auxiliary resistor is connected.

12. (Original) The manufacturing method of a D/A converter circuit according to claim 11, wherein:

each of the auxiliary resistors is a thin film element crystallized by laser irradiation;

all forming parts of the auxiliary resistors are disposed within a laser irradiation area; and

all the forming parts of the auxiliary resistors which are disposed within the laser

irradiation area are crystallized with one laser shot.

- 13. (Original) The manufacturing method of a D/A converter circuit according to claim 11, wherein each forming part of the resistors is disposed to be parallel with each other.
- 14. (Original) The manufacturing method of a D/A converter circuit according to claim 11, wherein each forming part of the resistors is all formed to have a same shape.
- 15. (Original) A manufacturing method of a semiconductor device incorporating a D/A converter circuit, comprising the steps of:

forming a resistor string which includes a plurality of resistors connected in series between reference voltages;

forming a plurality of switching elements, each of the plurality of switching elements being connected with a connection node of corresponding one of the plurality of resistors;

disposing all forming parts of the resistors configuring the resistor string within a laser irradiation area: and

crystallizing all the forming parts of the resistors which are disposed within the laser irradiation area with a same laser shot.

wherein each of the resistors is a thin film element crystallized by linear laser irradiation:

16. The manufacturing method of a semiconductor device (Original) incorporating a D/A converter circuit according to claim 15, wherein each forming part of the resistors is disposed to be parallel with each other, and also to be parallel with a scan direction of the linear laser irradiation.

- 17. The manufacturing method of a semiconductor device (Original) incorporating a D/A converter circuit according to claim 15, wherein each forming part of the resistors is all formed to have a same shape.
- 18. (Original) A manufacturing method of a semiconductor device incorporating a D/A converter circuit, comprising the steps of:

forming a resistor string which includes a plurality of resistor groups connected in series between reference voltages;

forming a plurality of resistors so as to be connected in series to configure each of the resistor groups;

forming a plurality of switching elements, each of the plurality of switching elements being connected with a connection node of corresponding one of the plurality of resistors:

disposing forming parts of the series-connected resistors of each resistor group within each different laser irradiation area;

crystallizing all the forming parts of the resistors which are disposed within the laser irradiation area with a same laser shot; and

disposing auxiliary resistors so as to be connected in parallel with each resistor group,

wherein each of the resistors is a thin film element crystallized by linear laser irradiation:

wherein each of the auxiliary resistors has a same resistance value that is sufficiently smaller than a combined resistance value of the resistor group to which each auxiliary resistor is connected.

19. (Original) The manufacturing method of a semiconductor device incorporating a D/A converter circuit according to claim 18, wherein:

each of the auxiliary resistors is a thin film element crystallized by laser

all forming parts of the auxiliary resistors are disposed within a laser irradiation area; and

all the forming parts of the auxiliary resistors which are disposed within the laser irradiation area are crystallized with a same laser shot.

- 20. (Original) The manufacturing method of a semiconductor device incorporating a D/A converter circuit according to claim 18, wherein each forming part of the resistors is disposed to be parallel with each other, and also to be parallel with a scan direction of the linear laser irradiation.
- 21. (Original) The manufacturing method of a semiconductor device incorporating a D/A converter circuit according to claim 18, wherein each forming part of the resistors is all formed to have a same shape.
- 22. (Original) A manufacturing method of a semiconductor device incorporating a D/A converter circuit, comprising the steps of:

forming a resistor string which includes a plurality of resistors connected in series between reference voltages;

forming a plurality of switching elements, each of the plurality of switching elements being connected with a connection node of corresponding one of the plurality of resistors;

disposing all forming parts of the resistors configuring the resistor string within a laser irradiation area; and

crystallizing all the forming parts of the resistors which are disposed within the laser irradiation area with one laser shot.

wherein each of the resistors is a thin film element crystallized by linear laser irradiation:

- 23. The manufacturing method of a semiconductor device (Original) incorporating a D/A converter circuit according to claim 22, wherein each forming part of the resistors is disposed to be parallel with each other.
- 24. (Original) The manufacturing method of a semiconductor device incorporating a D/A converter circuit according to claim 22, wherein each forming part of the resistors is all formed to have a same shape.
- 25. (Original) A manufacturing method of a semiconductor device incorporating a D/A converter circuit, comprising the steps of:

forming a resistor string which includes a plurality of resistor groups connected in series between reference voltages:

forming a plurality of switching elements, each of the plurality of switching elements being connected with a connection node of corresponding one of the plurality of resistors:

disposing forming parts of the series-connected resistors of each resistor group within each different laser irradiation area;

crystallizing all the forming parts of the resistors which are disposed within the laser irradiation area with one laser shot; and

disposing auxiliary resistors so as to be connected in parallel with each resistor group,

wherein each of the resistors is a thin film element crystallized by linear laser irradiation:

wherein each of the auxiliary resistors has a same resistance value that is sufficiently smaller than a combined resistance value of the resistor group to which each auxiliary resistor is connected.

26.

(Original)

The manufacturing method of a semiconductor device

incorporating a D/A converter circuit according to claim 25, wherein:

each of the auxiliary resistors is a thin film element crystallized by laser

irradiation;

all forming parts of the auxiliary resistors are disposed within a laser irradiation

area; and

all the forming parts of the auxiliary resistors which are disposed within the laser

irradiation area are crystallized with one laser shot.

27. The manufacturing method of a semiconductor device (Original)

incorporating a D/A converter circuit according to claim 25, wherein each forming part of

the resistors is disposed to be parallel with each other.

28. (Original) The manufacturing method of a semiconductor device

incorporating a D/A converter circuit according to claim 25, wherein each forming part of

the resistors is all formed to have a same shape.

29.-69. (Canceled)